

REMARKS

Claim 22 has been incorporated into claim 1, and claim 22 has been canceled accordingly. Claim 1 has also been amended to recite the coating as being "transparent" as at page 4, line 15 and claim 32 of the application as filed.

Claims 1-2, 10-12, 15-25 and 28 were rejected under 35 U.S.C. 102(b) as being anticipated by or, in the alternative, under 35 U.S.C. 103(a) as being obvious over U.S. Patent No. 5,256,328 to Cavanagh *et al.* The formulations of Cavanagh include 35.0-75.0 weight percent nanoparticles and 0.2-10.0 weight percent surfactant (see Abstract of Cavanagh). As stated in the attached Inventor's Declaration, the high amounts of nanoparticles (35-75%) and the relatively low amounts of surfactant (0.2-10%) in the compositions of Cavanagh should cloud the compositions of Cavanagh making it difficult to form a transparent coating as recited in amended claim 1. Thus, it is submitted that the invention of amended claim 1 (and all of the remaining pending claims that depend thereon) is patentable over Cavanagh.

Claims 1-2, 10-25 and 27-28 were rejected under 35 U.S.C. 102(b) as being anticipated by or, in the alternative, under 35 U.S.C. 103(a) as being obvious over PCT International Publication No. WO 01/96511 A2. As stated in the attached Inventor's Declaration, the methods of WO 01/96511 A2 seek to form "hydrophilic" surfaces (e.g., page 47, line 23 and claim 1 of WO 01/96511 A2). Hydrophilic surfaces have surface energies that are not significantly below 72 dynes per centimeter. Amended claim 1 now requires a surface energy below 30 dynes per centimeter, which is associated with a hydrophobic surface. These lower surface energies provide for a self-cleaning surface (see page paragraphs [0004], [0048] and [0049] of the specification).

Accordingly, it is submitted that the invention of amended claim 1 (and all of the remaining pending claims that depend thereon) is patentable over WO 01/96511 A2.

Conclusion

It is respectfully submitted that the application is in condition for allowance. No additional fees are believed to be necessary for the entry of this amendment. However, if fees are needed, please charge Deposit Account 17-0055 for the fees needed.

Respectfully submitted,
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